BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064									
ainage in m	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remark s
om To										
em No. 27	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc.,complete as per specifications and directions of Engineer in charge of work.(First Floor)									
asurement Taken on										
	Outer walls									
	long	Sqm	2	24.2		3.15	152.46			
	short	Sqm	2	17.0		3.15	107.10			
	Lift walls	Sqm	1	5.1		3.3	16.83			
	near Staircase	Sqm	1	7.2		3.2	22.68			
	Deductions									
	W	Sqm	-14	1.5		1.5	-31.50			
	W1	Sqm	-2	1.2		1.5	-3.60			
	V1	Sqm	-1	0.9		0.6	-0.54			
	V	Sqm	-2	0.75		0.6	-0.90			
	D1	Sqm	-1	1.8		2.1	-3.78			
	near Staircase opening	Sqm	-1	4.5		1.5	-6.75			
	near Staircase opening	Sqm	-1	5.5		1.5	-8.25			
							Total Executed Quantity	**243.75**		
							Tender Quantity	**200.72**		
							Quantity Upto 125%	**243.75**		
							Now to be Paid Quantity			
							Quantity Upto 125%	**243.75**	**1073.69**	**261711.94**
n No. 30	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and directions of Engineer in charge of work.(First Floor)									
surement ken on										
	First Floor									
	Corporator office	Sqm	1	8.67		3.45	29.91			
		Sqm	1	1.8		3.45	6.21			
	Room	Sqm	2	3.3		3.45	22.77			
		Sqm	2	7.6		3.45	52.44			
	Toilet	Sqm	2	3.3		3.45	22.77			
		Sqm	3	3		3.45	31.05			

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

22/5/24

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

ainage in m		Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
om	To										
		Anti Room	Sqm	1	5.27		3.45	18.18			
		Toilet	Sqm	1	2.1		3.45	7.25			
			Sqm	1	1.5		3.45	5.18			
		Pantry And Reception	Sqm	2	4.3		3.45	29.67			
		AEE Room	Sqm	1	5.62		3.45	19.39			
			Sqm	1	5.34		3.45	18.42			
		Toilet	Sqm	2	2.1		3.45	14.49			
			Sqm	2	2.5		3.45	17.25			
		AE Room	Sqm	1	5.6		3.45	19.32			
			Sqm	1	4.6		3.45	15.87			
		Health Inspector	Sqm	1	5.6		3.45	19.32			
			Sqm	1	4.5		3.45	15.53			
		Deductions									
		D1	Sqm	-2	1.8		2.1	-7.56			
		D2	Sqm	-5	0.9		2.1	-9.45			
		D3	Sqm	-9	0.75		2.1	-14.18			
		W	Sqm	-2	1.5		1.5	-4.50			
		V	Sqm	-1	0.70		0.75	-0.53			
							Total Executed Quantity	**328.80**			
							Tender Quantity	**54.26**			
							Quantity Upto 125%	**67.83**			
							Quantity Above 125%	**260.98**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**67.83**	**959.18**	**65056.38**	
							Quantity Above 125%	**260.98**	**959.09**	**250298.49**	

No. 32 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.

urements ken on

		First and part Bill Measurements									
		Ground Floor									
		Column									
		C1	Sqm	1	2.1		3	6.30			
		C2,C3,C3',C3",C3'",C4,C5	Sqm	10	1.8		2.4	43.20			
		C2,C3,C4,C4'	Sqm	5	1.8		2.85	25.65			
		C4	Sqm	4	1.8		3	21.60			
		C6	Sqm	4	1.6		3.15	20.16			

E.E. (Project)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ASSISTANT EXECUTIVE ENGINEER

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		AE Room	Sqm	1	5.62	4.56		25.63			
		Aee Room	Sqm	1	7.94	5.6		44.46			
		Anti Room	Sqm	1	5.27	3.35		17.65			
		Corporate Office	Sqm	1	9.25	5.27		48.75			
			Sqm	1	3.4	1.8		6.12			
		Recciption	Sqm	1	5.47	4.3		23.52			
		Pantry	Sqm	1	4.3	3.1		13.33			
							Total Executed Quantity	285.35			
							Tender Quantity	254.18			
							Quantity Upto 125%	285.35			
							Now to be Paid Quantity				
							Quantity Upto 125%	285.35	2372.45	676988.57	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Item No. 51: Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specifications and directions of Engineer in charge of work.

Measurement Taken on

	Ground Floor									
	Landing	Sqm	2	1.5	1.85		5.55			
	Tread	Sqm	23	1.5	0.3		10.35			
	rise	Sqm	24	1.5		0.150	5.40			
						Total Executed Quantity	21.30			
						Tender Quantity	14.56			
						Quantity Upto 125%	18.20			
						Quantity Above 125%	3.10			
						Now to be Paid Quantity				
						Quantity Upto 125%	18.20	5149.35	93718.17	
						Quantity Above 125%	3.10	5051.66	15660.15	

Item No. 52: Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specifications and directions of Engineer in charge of work.(First Floor)

Measurement Taken on

	First Floor									
	Landing	Sqm	2	1.5	1.85		5.55			
	Tread	Sqm	23	1.5	0.3		10.35			
	rise	Sqm	24	1.5		0.150	5.40			

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Dimnge in m		Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Sqm	To										
							Total Executed Quantity	21.30			
							Tender Quantity	14.56			
							Quantity Upto 125%	18.20			
							Quantity Above 125%	3.10			
							Now to be Paid Quantity				
							Quantity Upto 125%	18.20	5151.66	93760.21	
							Quantity Above 125%	3.10	5053.93	15667.18	
Item No. 54		Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)									
Measurement Taken on											
		First Floor									
		Toilet	Sqm	1	2.1	1.5		3.15			
			Sqm	1	1.64	2.08		3.41			
			Sqm	1	1.64	1.12		1.84			
			Sqm	1	1.35	2.08		2.81			
			Sqm	1	1.35	1.12		1.51			
			Sqm	2	2.1	1.2		5.04			
							Total Executed Quantity	17.76			
							Tender Quantity	13.50			
							Quantity Upto 125%	16.88			
							Quantity Above 125%	0.88			
							Now to be Paid Quantity				
							Quantity Upto 125%	16.88	1374.15	23188.78	
							Quantity Above 125%	0.88	1374.02	1213.26	
Item No. 56		Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.(First Floor)									
Measurement Taken on											
		First Floor									
		Room									
		Toilet	Sqm	2	1.64		2.1	6.89			
			Sqm	2	2.08		2.1	8.74			
			Sqm	4	1.12		2.1	9.41			
			Sqm	2	1.64		2.1	6.89			
			Sqm	2	1.35		2.1	5.67			
		anti Room									
		Toilet	Sqm	2	2.1		2.1	8.82			

9/10/24

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

hainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
			Sqm	2	1.5		2.1	6.30			
		AEE Room									
		Toilet	Sqm	4	1.2		2.1	10.08			
			Sqm	4	2.1		2.1	17.64			
		Deduction									
		D3	Sqm	-10	0.75		2.1	-15.75			
							Total Executed Quantity	**64.68**			
							Tender Quantity	**56.49**			
							Quantity Upto 125%	**64.68**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**64.68**	**1852.60**	**119826.17**	

Item No. 58 — Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and directions of Engineer in charge of work.

Measurement Taken on

		First Floor									
		Toilet	Sqm	1	2.1	1.5		3.15			
			Sqm	1	1.64	2.08		3.41			
			Sqm	1	1.64	1.12		1.84			
			Sqm	1	1.35	2.08		2.81			
			Sqm	1	1.35	1.12		1.51			
			Sqm	2	2.1	1.2		5.04			
		Sump									
		Bottom Slab	Sqm	1	3.70	3.70		13.69			
		Side Walls	Sqm	2	3.7		1.8	13.32			
			Sqm	2	3.4		1.8	12.24			
		Top slab	Sqm	1	3.7	3.7		13.69			
							Total Executed Quantity	**70.70**			
							Tender Quantity	**66.44**			
							Quantity Upto 125%	**70.70**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**70.70**	**596.37**	**42162.17**	

12/10/24

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ASSISTANT ENGINEER

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

inage in m		Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
om	To										
m No. 59		Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.									
asurement aken on											
		First Floor									
		D1	Nos	2				2.00			
		D2	Nos	5				5.00			
								Total Executed Quantity	**7.00**		
								Tender Quantity	**10.00**		
								Now to be Paid Quantity	**7.00**	**1548.75**	**10841.25**
m No. 60		Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.									
surement aken on											
		First Floor									
		D2	Cum	5	6.00	0.13	0.100	0.38			
								Total Executed Quantity	**0.38**		
								Tender Quantity	**0.27**		
								Quantity Upto 125%	**0.34**		
								Quantity Above 125%	**0.04**		
								Now to be Paid Quantity			
								Quantity Upto 125%	**0.34**	**99324.01**	**33521.85**
								Quantity Above 125%	**0.04**	**99314.55**	**3724.30**
n No. 61		Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.									
surement aken on											
		First Floor									
		D1	Cum	2	7.80	0.150	0.125	0.29			
								Total Executed Quantity	**0.29**		
								Tender Quantity	**0.42**		
								Now to be Paid Quantity	**0.29**	**181498.41**	**53088.28**

Yelahanka Zone
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Second & Part Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 63		Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.(First Floor)									
Measurement Taken on											
		First Floor									
		D2	Sqm	5	0.9		2.100	9.45			
							Total Executed Quantity	**9.45**			
							Tender Quantity	**1.89**			
							Quantity Upto 125%	**2.36**			
							Quantity Above 125%	**7.09**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**2.36**	**5358.26**	**12658.89**	
							Quantity Above 125%	**7.09**	**5357.75**	**37973.07**	
Item No. 66		Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.(First Floor)									
Measurement Taken on											
		First Floor									
		D1	Sqm	2	7.8		2.100	32.76			
							Total Executed Quantity	**32.76**			
							Tender Quantity	**10.71**			
							Quantity Upto 125%	**13.39**			
							Quantity Above 125%	**19.37**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**13.39**	**8102.02**	**108465.79**	
							Quantity Above 125%	**19.37**	**8101.25**	**156941.44**	
Item No. 68		Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat, Stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame complete as per specifications and directions of Engineer in charge of work. (First Floor)									
Measurement Taken on											
		First Floor									
		D3	m	9	5.70			51.30			

Asst. Executive Engineer
Bommanahalli Division
Yelahanka Zone
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